

Calcium Carbonate as a Filler, by V. N. Gritsulyak.
UNCL

Vol XIII,
RUSSIAN, per, Sunashnaya Prom, No 8, ~~1990~~
pp 12-14. 1984

DSIR LRU RTS 1175
5s. Od.

Sci - Chem
Sep 59

95,855

Plan for Standards of Chalk Papers and Their
Linings, by A. Ya. Goncharov, V. A. Istrin, 8 pp.

REKUL, per, Samostoyatel'noye, Vol XIII,
Nos 10, 11, 1955, pp 97-65.

Sci Trans Center
NS-1071

Scientific - Engineering

14,664

Doc 54 CMB/AMK

Production of Aluminic from ^cley, by G. S. Rapoport, 5 p.
RUSSIAN, per, ^c ~~Rechnungs~~ ^A ~~From~~, Vol XIV, No 1, 1933,
pp 70 73.

SLA R-8003

Sci

Jul 59

92,619

Zhokhov, D. H. NEW STANDARDS FOR CONDENSER PAPER. [1960] 12p. Order from OLS or SLA \$1.60 60-18962 Trava. of Khimicheskaya Promyshlennost' (USSR) 1935 [v. 14, no. 11] p. 43-48. DESCRIPTORS: *Paper, *Capacitors, *Standards, Manufacturing methods. (Unannounced)	60-18962 1. Zhokhov, D. H. Office of Technical Services
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Elimination of Defects in the Purifying Tower
of the Kamyk System and Recent Advances in the
Chlorination of Cellulose, by M. M. Kopantsev,
I. V. Molodov, 12 pp.

RUSSIAN, bimo per, Bumashnaya Prom, Vol XXI,
No 5/6, 1946, pp 24-31.

Sci Tr Center RT-2925

Scientific - Engineering 30,280
Jan 56 CTS/dex

Ginsman, G. M.
PURIFICATION OF WASTE GASES IN THE MANU-
FACTURE OF SULFATE PULP. [1960] 10p. (3 illus.
omitted).

Order from LC or SLA m51.80, p51.80 61-10683

Partial trans. (16-20) of Bumazhnyy Proizvodstven-
nost' (USSR) 1947, v. 22, no. 7, p. 16-22.

151819

(Machinery--Manufacturing. TT. v. 3, no. 9)

61-10683

1. Waste gases--Purification
2. Sulfate pulp--Processing
1. Ginsman, G. M.

Office of Technical Services

The Aging of Paper, by A. P. Zakoshchikov. 9p.
RUSSIAN, per, Bumashnaya Promyshlennost,
VOL. 24, No 5, 1949, pp 6-10.
ATS-28889R

Sci-Materials
Oct 66

313,383

The Aging of Paper, by A. P. Zakoshchikov. 9p.
RUSSIAN, per, Bumazhaya Promyshlennost,
Vol 24, No 6, 1949, pp 8-13,
ATB-29689R

Sci-Materials
Nov 66

313,382

The Nature of Pitch Trouble (In Paper Manufacture), by
V. P. Kovalov,

RUSSIAN, per, Samostoiia Promyshlennost', Vol XIV,
No 3, 1950, pp 20-25.

See Memo 4-156/1984
National Research Council Library
SI-597

USSR
Economic

44,539

Elimination of Pitch Bend in the Manufacture of
Paper, by V. P. Kozlov,

RUSSIAN, For, Eng Econ, Vol XXVI, No 4, 1961,
pp 6-13.

Not Rec Lib TF.558

39,167

USSR - Economic
pp 56 CTS/dex

KOROTOV, F. P.
ADVANCES IN THE OXIDATION OF CELLULOSE.
Sovetsk. Prom 28, No. 1, 6-13. 1963. In Russian.

APL 450
ARS

april 61

Rapid Method for Determination of Fibre Length, by
R. E. Reisin'sh, 9 pp.

KHESIAN, per, Doklady Akademiya Nauk SSSR, Vol
XVIII, No 4, 1955, pp 23-26.

Sci Trans Center
RT-1671

14, 668

Scientific - Engineering

Dec 74 CDS/DMK

Kaverzneva, E. D., Ivanov, D. J., and Salova, A. S.
CHEMICAL TRANSFORMATIONS OF CELLULOSE
IN THE PROCESS OF TREATMENT WITH HYPOCHLORITE [1961] 9p. (1 graph 3 schemes 2 diagr.
refs. omitted).

Order from OTS or SLA \$1.10

61-20893

Trans. of Birmazh(naya) Prom[yshlennost] (USSR)
1961, v. 28, no. 7, p. 6-11.

DESCRIPTORS: Transformations. *Cellulose. Cellu-
lose chemistry. *Hypochlorites. Oxidation. Chemical
properties. Manufacturing methods. Wood pulp.
Common cellulose. Bleaching.

The chemical transformations taking place on oxida-
tion of cellulose with hypochlorite and the influence of
pH on these transformations were determined. As a
result of the oxidation of cellulose with sodium hypo-
(Materials: Wood. IT. v. 7, no. 9) (over)

61-20893

I. Kaverzneva, E. D.
II. Ivanov, D. J.
III. Salova, A. S.

Office of Technical Services

Delignification of Wood Pulp with Ethylene
Glycol, by A. A. Konkina, Z. A. Rogovin, 12pp
RUSSIAN, per, Dumazhnaya Promyshlennost',
Vol 28, 1953, No 9, pp 15-19
SIA TT-64-20453

Sci - Mat
June 67

327,509

Effect Upon the Properties of Paper and Cardboard of
Making the Fibre Surface Hydrophobic, by S. S.
Voyutskiy, M. A. Volokitina, A. D. Zayonchkovskiy.

RUSSIAN, bino per, Dun Prozy, Vol XVIII, No 12, 1953,
pp 6-9.

Sci Tr Center RT-5701

Scientific - Engineering

36,135

Jun 56/dex

Solys, N. S.
MEJORA DEL RENDIMIENTO DE LOS HORNOS DE
PIRITA (Ob Uvelichenii Proizvoditel'nosti Kolchedan-
nykh Pechei) (Improvement in Pyrites Furnace Yields),
op. CID-62-227.

Order from OTS, ETC or CID \$0.80 62-29227

Trans. in Spanish of Russkaya Promyshlennost'
(USSR) 1955, v. 30, no. 2, p. 24.

DESCRIPTORS: *Pyrites, *Combustion chambers,
Effectiveness.

(Metallurgy, TT, v. 10, no. 6)

62-29227

- I. Solys, N. S.
- II. CID-62-227
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Ivanov, S. N.
LOS DEFECTOS EXTERNOS DEL PAPEL Y LOS
MEDIOS DE EVITARLO (Vneshnie Defekty Bumağı i
its Prodogprizhdenie) (External Defects of Paper and
Means of Obviating Same). 22p. CID: 62-204.
Order from OTS, ETC or CID \$0.86 62-29204

Trans. in Spanish of Bumazhanya Promyshlennost'
(USSR) 1955, v. 30, no. 6, p. 24-30.

DESCRIPTORS: *Paper, Quality control.

(Materials--Paper, TT, v. 10, no. 8)

62-29204

- I. Ivanov, S. N.
- II. CID-62-204
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

The Formation of a Sheet on a Cylinder Mould, by
G. A. Tolstoy.

RUSSIAN, ~~Engl~~ English Press, Vol XXX, No 5, 1955,
pp 10-13.

NLL N. 2455

Del - Engl

Nov 61

174 421

Solomko, V. S.
APROVECHAMIENTO DE LOS RESIDUOS DE
SERRERIA Y DE ALMACENES DE LEÑA, PARA LA
FABRICACION DE PASTA DE PAPEL AL SULFATO
(Ispol'zovanie Otkhodov Lesopileny i Lesosmagotovok
dlya Proizvodstva Sul'fatnoi Tsellulozy) (Utilization
of Saw-mill and Lumber Store Residues in the Manu-
facture of Sulphate Paper Pulp). 14p. CID: 62-239.
Order from OTS, ETC or CID \$0.80 62-29239

Trans. in Spanish of Russkaya Promyshlennost'
(USSR) 1955, v. 30, no. 5, p. 27-28.

DESCRIPTORS: *Sulphate pulp, Production, Wood,
Sawmills.

(Materials--Wood, TT, v. 10, no. 8)

62-29239

- I. Solomko, V. S.
- II. CID-62-239
- III. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

Poddubnaya, S. N.
METODOS PARA ELIMINAR LAS BUBBUJAS EN EL
PAPEL FOTOGRAFICO (O Metodakh Ustraneniya
Puzryrei na Fotograficheskoi Bume) (Bubble Eliminat-
ion Methods in Photographic Paper). 16p. 3 refs.
CID: 62-258.
Order from OTS, ETC or CID \$0.80 62-29258

Trans. in Spanish of Sovetskaya Promyshlennost'
(USSR) 1955, v. 30, no. 7, p. 8-10.

DESCRIPTORS: *Photographic paper, Separation,
Bubbles.

(Materials--Photographic, TT, v. 10, no. 8)

62-29258

- I. Poddubnaya, S. N.
- II. CID-62-258
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Kur'mat'ykh, I. N. and Babuchkina, M. D.
EQUILIBRIO ENTRE EL ANHIDRIDO SULFUROSO Y
LAS DISOLUCIONES BISULFICAS (Ravnovese
Mezhdu Seratym Gazom i Mami'Snyymi Rasverami)
(Equilibrium Between Sulfur Dioxide and Bisulfite
Solutions). 19p. 13 refs. CID: 62-218.
Order from OTS, ETC or CID \$0.80 62-29218

Trans. in Spanish of Doklady Akademii Nauk
(USSR) 1955, v. 30, no. 8, p. 5-9.

DESCRIPTORS: *Sulfur compounds, Dioxides, *Sulfites,
*Chemical equilibrium, Solutions.

(Chemistry--Physical, TT, v. 10, no. 8)

62-29218

- I. Kur'mat'ykh, I. N.
- II. Babuchkina, M. D.
- III. CID-62-218
- IV. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

Ivanov, S. N.
ROTURAS DEL PAPEL EN LA MAQUINA DE FABRI-
CACION DEL MISMO Y FORMA DE EVITARLAS
(Obryvy Bumagi na Bumagodelatel'noi Mashine i ikh
Preduprezhdeniye) (Paper Tearing in Paper Manufac-
turing Machines and Means of Preventing It). 9p.
CID: 62-209.

Order from OTS, ETC or CID 80.80 62-29209

Trans. in Spanish of Sovetskaya Prosvetlennost'
(USSR) 1953, v. 30, no. 9, p. 21-22.

DESCRIPTORS *Paper, Manufacturing methods,
Machines.

(Materials--Paper, TT, v. 10, no. 8)

62-29209

- I. Ivanov, S. N.
- II. CID-62-209
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Sachl'nikov, N. G.
UTILIZACION ECONOMICA DE LA MADERA EN LA
INDUSTRIA DEL PAPEL Y DE LA CELULOSA (Eko-
nomno ispol'zovanie Drevessu v Tseliyuloso-bumazh-
not Prumyshlennosti) (Low Cost Utilization of Wood in
the Paper and Cellulose Industry). 7p. CID: 62-219.
Order from OTS, ETC or CID \$0.80 62-29219

Trans. of Spanish of Papermaking Technology
(USSR) 1953, v. 30, no. 9, p. 26-27.

DESCRIPTORS: *Paper, *Cellulose, *Wood, Production.

(Materials--Paper, TT, v. 10, no. 8)

62-29219

- I. Sachl'nikov, N. G.
- II. CID-62-219
- III. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

Tolstiy, G. A.
THE INFLUENCE OF PULP CONSISTENCY ON THE
QUALITY OF THE SHEET BEING FORMED, tr. by
R. Newman. Ang 60, pp. (1 fig., omitted).
(Order from NLA no 51.00, p 81.00) 60-18443

Trans. of J. Am. Paper Inst. (London) 1960, 54, 10, 16.
[See also 16, p. 16.]

RUSSIA to SPANISH G-2S 67-29230
The effect of consistency on the consistency of the stock
entering the machine on the pressure of filtration and the
physical-mechanical properties of the sheet being
formed was examined at consistencies of 0.07, 0.10,
0.15, 0.20, 0.25, 0.30 and 0.40% and at degrees of
beating of 20, 30, 40, 60 and 70° S. R., using bleached
sulfite pulp mark "A". The results show that the
pressure of filtration changes in linear relation to the
quantity of liquid being filtered only at degrees of beat-
ing of the pulp of 20 and 30° S. R. At degrees of beating
of 40° S. R. and higher the pressure of filtration
(Materials--Paper, IT, v. 5, no. 4) (over)

60-18443

1. Paper--Processing
2. Wood pulp--Properties
1. Tolstiy, G. A.

143,252

NLL M.2454

Office of Technical Services

changes in a power relationship. These variations occur as a result of the different density of packing of the fibres in the sheet being formed and to the formation of flexes in the sheet.

Pg-

60-18443

Karnatcheva, L. V.
PERGAMINO PARA CONSERVAR CANONAJOS, HECHO
CON PASTA AL SULFATO MEJORADA (Krabovyi Per-
gament iz Sulfatnoi Oblegazhennoi Tsellyulozy)
(“Crab” Parchment Paper from Refined Sulphate
Cellulose) 6p. CID: 62-215.
Order from OTS, ETC or CID \$0.80 62-29215

Trans. in Spanish of Samozhnyy Promyshlennyy
(USER) 1955, v. 30, no. 10, p. 23.
Another trans. is available in English from OTS or SLA
\$1.10 as 62-16510, Feb 62, 2p.

DESCRIPTORS: *Paper industry, *Cellulose, Wood
pulp, *Sulfate pulp, Cotton cellulose.

(Microfilm--Paper, TT, v. 10, no. 8)

62-29215

- I. Karnatcheva, L. V.
- II. CID-62-215
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

More Initiative in the Introduction of Continuous Roll-Beating of Pulp, by V. I. Medrik, 6 pp.

RUSSIAN, per, Samashnaya Press, Vol XXXI, No 1, 1956, pp 18, 19.

SLA R-1899

Sci
Aug 58

70,860

The Influence of Various Bases of the Sulphite
Cooking of Wood, by M. A. Rosenberger, 7 pp.

RUSSEAN, per, Dumaszhaya Prom, No 3, 1936, pp 6-10.

SLA 99-10827

(RUSSIAN TO SPANISH, CTS 62 29223)

Sci - Chem
Sep 59
Vol 2, No 1

97,743

Continuous Beating in Hollanders,
by L. Ginsburg.

RUSSIAN, per, ~~Emmashaya Econ.~~
Vol XXXI, No 4, 1956, pp 19-21.

OSIMO 3505

Sci - Eng

Feb 62

186.621

On the Article: "Pulp Fractionation During Continuous Beating in Hollander", by P. S. Larin, S. N. Ivanov, B. A. Rebeikin, 3 pp.

RUSSIAN, per, Danish Press, Vol XXXI, No 4, 1956, pp 21, 22.

SEA B-3446.

Sci

Aug 99

95, 377

Ivanov, S. N.

LAS NORMAS DE PRODUCTIVIDAD DE LAS MAQUINAS DE PAPEL CONTINUO (O Normakh Protsveditel'nost' Bumaizdelatel'nykh Mashin) (Productivity Standards in Continuous Paper Manufacturing Machines), 16p. 2 refs. CID: 62-210.

Order from OTS, ETC or CID 90.80

62-29210

Trans. in Spanish of Bumazhnyye Proizvoditel'nost' (USSR) 1956, v. 31, no. 7, p. 9-12.

DESCRIPTORS: *Paper, Machines, Effectiveness, Standardization.

(Materials--Paper, TT, v. 10, no. 8)

62-29210

- I. Ivanov, S. N.
- II. CID-62-210
- III. Centro de Informacion y Documentacion, Madrid (Spain)

Office of Technical Services

Methode Rapice de Dosage D'Humidite dans le Papier
(Determining the Moisture Content of Paper), by

A. T. Dibrova, 5pp.

RUSSIAN to FRENCH, per, Dumazhnaya Prom, Vol XXXI. No 8,
1956, pp 14-15.

Reverse Trans
OTS 62-26994

Sci-Chem
March 64

Methods of Determining the Effectiveness of
the Washing of Pulp on the Vacuum Filters, by
T. I. Zubovitch.

RUSSIAN, per, Damskaya Prom, No 11, Nov
1956, pp 2-6.

ASLIB-0815

Sci
Aug 58

1. 2207

70, 8/0

Effect of Temperature and Air Humidity on the
Aging, by R. R. Yabrova, 7 pp.

RUSSIAN, per, Danash Press, Vol XXXII, No 1, 1977,
pp 15, 16.

SLA R-9449

8^C1

Aug 79

95, 3 80

Bleaching of Cellulose With Peroxides, by P. P.
Komarov, 8 pp.

RUSSIAN, per, ~~Bumash~~ Prom 888, Vol XXXII, No 3,
1957, pp 2-5. also

ITALIAN
~~Industria~~, per, Industria della Carta (Italy), Vol XII,
No 3, 1958, pp 25-29.

SIA 59-10509

Sci
Nov 59
Vol 2, No 3

101,533

Iron and Copper Impurities in Condenser Paper,
by N. V. Goloub, 8 pp.

RUSSIAN, per, Bumash Prom, Vol XXXII, No 8,
1977.

SEA 60-14373

Sci
Feb 62
Vol III, No 11

182, 796

Effect on Resin Composition on Pithh Difficulties in Pulp, by N. P. Starostenko, N. N. Esenin, I. G. Leabchenko, 6 pp.

RUSSIAN, per, Bumash Prom, Vol XXXII, No 9, 1957, pp 2-5.

SLA 61-10309

REL D-2798

Vol V, No 5
Jul 61

160,162

Some Properties of Paper Stock Used in the
Manufacture of Condenser Tissues, by N. D.
Soushkova, 11 p.

RUSSIAN, per, Dushkova Press, 1977, Vol XIII,
No 9, pp 5-7.

SLA 60-10138

Sci
Apr 60
Vol III, No 2

113,576

Experience Gained in the Application of a
Variable Hydraulic Pressure in the Impregnation
of Wood Chips, by S. F. Mal'nikov, 5 pp.

RUSSIAN, per, Buzachnaya Pressy, Vol XXXII, No 9,
1957, pp 8-9.

CIA/YED XI-1560
NO FOREIGN DISSEM

Sci - Phys
Jun 64

260,068

Belaya, I.K.
EFFET DES RAYONNEMENTS ULTRA-VIOLETS DES
LAMPES BACTERIQUES SUR LE PAPIER (The Effect
on Paper of Short-Wave Ultraviolet Radiation). 8p.
Orfèa, CNRS-VI 25A.
Order fr in OTS, ETC or CNRS \$0.80 TT-62-28015

Trans. to French by Rumazhaya Proenyahlesniet
(USSR) 1957, v. 32, no. 9, p. 9-10.

DESCRIPTORS: *Paper, *Ultraviolet radiation,
Bactericides, Air, Purification, *Libraries, Instal-
lation, Mercury lamps.

(Materials--Paper, TT, v. 11, no. 6)

TT-62-28015

I. Belaya, I.K.
II. CNRS-VI 25A
III. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translation Centre

The Condensing Action of Acid on Lignin, by D. Y.
Tischchenko, 16 pp.

RUSSIAN, par, Summat Prom 8832, Vol XXXII, No 12,
1957, pp 5-10.

SLA 59-10868

Sci
Nov 59
Vol 2, No 3

101,520

IR-10-59

(DC-32A).

The USSR Paper Industry, by K. A. Vaynov, 30 pp.

RUSSIAN, bk, Papernaya Promyshlennost; SSSR, Moscow.
1958, 72 11/217.

JPFS-L-1999-D

USSR

Econ - Paper Industry

Jan 60

106, 305

Gilding Paper With Paraffin Emulsion, by A. V.
Ottsovskaya, 6 p.

RUSSIAN, per, Buzash Prom, 1956, Vol XXXIII.
No 1, pp 9-11.

SLA 59-17163

Eci
Dec 59
Vol 2, No 6

103,966

Absorption Method for Determining the Specific
External Surface of Pulp Suspensions During
Boiling, by Ye. Ya. Vinetshaya, 12 p.

RUSSIAN, per, ~~Dumskaya Pechatnitsa~~, 1958,
Vol XXXII, No 4, pp 6-9.

SLA 99-17791

Sci
Feb 60
Vol 2, No 10

108,906

A Method of Calculating the Tractive Forces of the
Driving Rolls for a Four-Drinier Wire (With Two
Driving Rolls), by Yu. K. Barbarovich, 7 pp.

RUSSIAN, per, Dumazhnaya Prom USSR, Vol XXXIII, No 4,
1958, pp 13-15.

SLA 59-15834

Sci

Vol 59

No 4

103,113

Klopov, V. M.
FABRICACION DE PASTA DE MADERA A PARTIR
DE VIRUTAS (Drevesnyye Massy iz Shchepy) (Manu-
facture of Wood-pulp from Wood Shavings). 16p.

3 refs. CID: 62-206.

Order from OTS, ETC or CID \$0.80

62-29206

Trans. in Spanish of Spetsialnyy Proizvodstvennyy
(USSR) 1951, v. 12, no. 4, p. 25-27.

DESCRIPTORS: *Wood pulp. Manufacturing methods.

(Materials--Wood, TT, v. 10, no. 8)

62-29206

I. Klopov, V. M.
S. CID-62-206
III. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

Dolgaleva, A. A.
EFFECT OF THE QUALITY OF WATER ON THE
PRODUCTION TECHNOLOGY AND ON THE PROPERTIES OF PAPER FOR CAPACITORS (Vliyeniye
Kachestva vody na Tekhnologiyu Protavodstva i
Svoystva Kondensatornoy Bumagi). Nov 10 [20]p.
11 refs. RTS 1720
Order from LC or SLA m52. 40, p45.30 61-13999

Trans. of Bumazhnaya Promyshlennost' (USSR) 1954,
v. 33, no. 5, p. 10-11

Discussions are presented on the effect of water hardness (total, and carbonate), of the cations and the anions of the salts giving rise to the hardness, and also of the cations Na^+ , NH_4^+ , Al^{+++} on the beating of cellulose and on the texture and the properties of paper. The dependence of the cellulose grinding process on the pH of the medium was also studied, since changes in the concentration of dissolved electrolytes induced changes in the hydrogen ion exponent.
(Author)

61-13999

1. Paper capacitors--Production
2. Paper--Properties
3. Water--Properties
1. Dolgaleva, A. A.
- II. RTS-1720
- III. Department of Scientific and Industrial Research (Gl. Brit.)

146,945

Office of Technical Services

(Materials--Paper, TT, v. 3, no. 3)

Change in the Hydrophilic Behaviour of Cellulose
in the Papermaking Process, by R. V.
Voitsekhovskiy.

RUSSIAN, per, Bumazhnaya Promyshlennost,
Vol XXXIII, No 6, 1958, pp 2-5.

DSIR LLU M. 1896
OTS 66-16517
169,836

Sci - Chem

Oct 61

An Investigation of the Sulphite Cooking Process
With Soluble Bases, by Yu. G. Butko, 14 p.

RUSSIAN, per, Buzazhnaya Promyshlennost, 1958,
Vol ~~XXX~~, No 7, pp 2-5.
XXXIII

SLA 59-10269

Sci
Jan 60
Vol 2, No 8

105,528

Chudakov, M. I.
SOBRE LA CONDENSACION ACIDA DE LA LIGNINA
(O Kislotnoi Kondensatsii Lignina) (On the Acid Con-
densation of Lignina). 15p. 13 refs. CID: 62-257.
Order from OTS, ETC or CID \$0.60 62-25757

Trans. in Spanish of *Sovetskaya Promyshlennost'*
(USSR) 1958, v. 33, no. 7, p. 9-11.

DESCRIPTORS: Condensation reactions, *Lignin.

(Chemistry--Physical, TT, v. 10, no. 8)

62-25757

- I. Chudakov, M. I.
- II. CID-62-257
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Nagrodskii, I. A. and Sokolova, I. N. THE INFLUENCE OF RESIN AND ASH CONTENTS OF PULP ON THE CLARITY OF VISCOSE SOLUTIONS. 10 Nov 60, 9p. 8 refs. Order from UTS or SLA \$1.10 Trans. of Sumakh(naya) Prom(yehleniya) (USSR) 1956, v. 11, no. 8, p. 7-8. DESCRIPTORS. *Ash. *Cellulose. *Wood pulp. *Resins. Solutions, Cellulose chemistry, Tests, Galvanometers, Synthetic fibers. (Materials--Textiles, TT. v. 6, no. 10)	61-18640 I. Nagrodskii, I. A. II. Sokolova, I. N. 1870 Office of Technical Services
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The Construction of an Instrument for Automatic
Measurement of Paper Substance, by D. L.
Pankov, I. D. Kugushev, 6 pp.

RUSSIAN, per, ~~Bumash~~ ~~From~~ USSR, Vol XXXIII, No 8,
1958, pp 6-9.

SLA 60-14013

Sci

OTS, Vol III, No 6

Sep 60

126,912

127

(DC-3691).

Botany Instruction at the Military Medical
Academy Imeni S. M. Kirov, by Ye. N. Pavlovskiy,
S. Ye. Shpil'skaya, 4 pp.

RUSSIAN, per, Botan Zhur, Vol XLIV, No 12,
1959. pp 1783-1785.

JPRS 3257

Sci - Biology
May 60

116,693

The Dynamics of the Stretching of Paper on the
Machine, by A. D. Shastov, 6 pp.

~~RUSS~~

~~RUSSIAN~~, per, ~~Buzhynaya~~ From USSR, Vol XXXIII,
No 11, 1953, pp 7-9.

SLA 59-15835

Sci
Dec 59
Vol 2, No 4

103,102

The Problem of Improving the Quality of
Photographic Base Paper, by N. V. Ryukhin,
5 pp.

RUSSIAN, per, Bumash Prom, Vol XXXIII, No 12,
1958, pp 8-10.

OTS 60-11062

Sci
26 Mar 62
Vol 4, No 4

187,736

Ilinshaya, A. A.
THE INFLUENCE OF KRAFT LIQUOR SULFURITY
ON THE PROPERTIES OF PULP FOR CONDENSED
PAPER. PT. II. [1962] [9] p. 20 refs.
Order from OTC or SLA \$1.10

*2-16193

Travaux de Bureau [Bureau] Procédés [processes] (USSR) 1959,
v. 34, no. 3, p. 2-5.

DESCRIPTIONS: *Black liquor, *Paper, Cellulose,
*Thermal stresses, Sulfides, Copper compounds,
Ammonium radicals, *Wood pulp, Production.

Of the methods studied for the evaluation of the thermal stability of cellulose as a high polymer, the clearest indication is given by the determination of viscosity in cuprammonium solution. This method is well suited for the purpose, because it gives a direct indication concerning the most important change in (Materials - Paper, IT, v. 8, no. 6) (over)

*2-16193

I. Ilinshaya, A. A.

Office of Technical Services

14 400

GE-1

GUSEV A. A.

Determining the amount of condensate in drying cylinders of paper machines by means of radioactive isotopes

Bestimmung der Kondensatmenge in Trockenzylindern der Papiermaschinen mittels radioaktiver Isotope

Dumazhn. Prom., 34, No. 9, 9-12 (1959)

German

E u r a t o m

The Reduction of Dielectric Losses in Pulp for
Condenser and High Voltage Paper, by B. C. Milov,
S. Kh. Kitayeva, 8 p.

RUSSIAN, per, Bumazh Prom, 1959, Vol XXXIV, No 5,
pp 4-7.

SLA 59-17481

Sci
Jan 60
Vol 2, No 9

106,012

Sampling Devices for Measuring pH and the Redox
Potential in Pulp Bleaching, by V. A. Alexander,
G. I. Shulkin.

RUSSIAN, per, Biznes Press, No 5, 1959, pp 19-.

CSIRO

Sci - Chem

Jun 61

157,808

An Industrial Bubbling Column for the Production
of Sulfurous Acid Using Calcium Hydroxide, by
M. D. Babushkina, E. V. Babayev, 7 pp.

RUSSIAN, per, Bum Prom, No 6, pp 12-15, 1959.
9207841

PL-480
OTS 63-11088

Sci - Chem
Jun 63
~~EXEM~~
LPST No 869

232,370

Kachalov, A. I. and Bykhov, I. G. BLEACHING OF PULP WITH ACTIVATED CHLORATE [1961] 8p. Order from OTS or SLA SI. 10 61-14919 <u>Trans. of Bimeth[ene] Prom[er] (USSR)</u> 1959, v. 51, no. 7, p. 5-7. DESCRIPTORS: "Wood pulp. Processing. "Bleaching agents. "Chlorates. (Materials--Wood, TT, v. 6, no. 2)	61-14919 L. Kachalov, A. I. I. Bykhov, I. G. 16871. Office of Technical Services
--	--

The Influence of Thermal Destruction of Pulp on the
Removal of Inorganic Additives From It, by Z. L.
Zosin.

RUSSIAN, per, Bumazhnaya Promyshlennost', No 7,
1959, p 9.

*PL-480

OTS 63-11090

PST-871

(RUSSIAN J. CHEMISTRY OTS 62 29202)

Sci
Dec 62

Solovchik, M. Ya. and AMIN, V. P.
**PROBLEMS CONCERNING THE DEFORMATION OF
 PULP FIBRES AND PULP BEATING. [1960] 5p.**

11 refs.

Order from OTS or SLA \$1.30

61-10660

Trans. of [Jurnal] [Sovetskoye] [Sovetskoye] [USSR]
 1960, v. 51, no. 12, p. 7-8.

DESCRIPTORS: *Wood pulp fibers, *Wood pulp, Me-
 chanical properties, Processing.

Experiments showed that pulp undergoes the three
 kinds of deformations which occur in high molecular
 weight polymers: elastic, highly-elastic and plastic.
 This indicates that the deformation of pulp during beat-
 ing has a relaxation character. Therefore the correct
 choice of the magnitude of the pressure and its fre-
 quency of application is very important. The speed and
 nature of beating depends largely on the ratio of the
 various kinds of deformation inherent to the fibers.
 (Abstracts--Paper, TT, v. 4, no. 1) (over)

61-10660

I. Solovchik, M. Ya.
 II. AMIN, V. P.

112 10-10660

161602

Office of Technical Services

MEASURING THE THICKNESS OF CONDENSER PAPER WITH
THE AID OF ALPHA-EMITTING RADIOISOTOPES, BY A. A.
GUSEV.

RUSSIAN, PER, BUMAZ PROM, NO 12, 1959, P 12.

NLL M. 6060

SCI - CHEM

OCT 62

214,734

The Use of Water Glass With Alum (sp) Laminating
Container Board, by M. M. Dynabohits,
T. S. Zhibareva, 3 pp.

RUSSIAN, per, Bimash Prom, Vol XXXIV, No 8,
1999, pp 16-17.

SLA 60-14291

Sci
Feb 62
Vol III, No 11

182,821

Smirnov, B. A.
 TECHNOLOGICAL LAYOUT OF A CORD CELLULOSE PLANT, tr. by I. Gorenko. 20 May 60, 11p.
 [Courtoiside] Misc. L.N. 3159. [DSR L.L.U.] M. 1962.
 Order from LC or S.A. no 52 60, ph 53. 30 61-13360

Trans. of Research [no] From [no] (USSR) 1960, v. 35, no. 1, p. 4-8.

(Engineering--Chemical, TT, v. 3, no. 12)

61-13360

1. Tires--Materials
2. Cellulose--Applications
3. Cordage--Production
1. Smirnov, B. A.
- II. Courtoiside ML-3159
- III. DSR L.L.U. M. 1962
- IV. Courtoiside Ltd. (Ch. Brit.)

106591

8
 Office of Technical Services

The Influence of Kraft Liquor Sulfidity on the
Properties of Pulp for Condenser Paper, by A. A.
Ilinchaya.

RUSSIAN, per, Sam Prom, Vol XXXIV, No 2, 1960,
p 2ff.

OTS 61-16535

Sci

189,529

Mar62

Vol VII, No 2

(101-6894)

AUTOMATING THE MANUFACTURE OF INSULATING
FIBERBOARD, BY N. I. GOLBACHEV, 7 PP.

RUSSIAN FOR IZOBRABOTAYA PRIMA, NO 4, 1960,
PP 23-24.

JPRS 12372

SCI - DER
FEB 62

183,118

Ivanov, S. N.
NUEVO METODO DE DETERMINACION RAPIDA DE
LA CONCENTRACION DE LA PASTA DE PAPEL
(Novyi Sposob Bystrogo Opredeleniya Kontsentratsii
Bumazhnogo Massy) (New Paper Pulp Concentration
Rapid Determination Method). Sp. CID: 62-208.
Order from OTS, ETC or CID \$0.80 62-29208

Trans. in Spanish of Bumazhnyye Promyshlennost'
(USSR) 1960, v. 33, No. 3, p. 31.

DESCRIPTORS: *Wood pulp. Determination. Paper.

(Materials--Paper, TT, v. 10, no. 8)

62-29208

I. Ivanov, S. N.
II. CID-62-208
III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Mazing, U. A. and others
 THE WHITE SAVAGE IN OPERATION. (1961)
 (Unlabeled, printed)
 Order from SCA 31.10

Trade of Bushazhaya, from (unlabeled) (1968) 1960
 (Unlabeled, printed)

OF SCRIPTORS. "Paper, Processing, Machines,
 Operation"

(Mazing, U. A. and others)

1961-1962

1. Mazing, U. A.

1961-1962

Office of Technical Services

Veinov, K. A. and Bobrov, A. I. ONE IMPORTANT PROBLEM IN SULPHITE PULP PRODUCTION. July 61. 3p. Order from OTS or SLA \$1.10 Trans. of <u>Bumazh(naya) Prom(yshlennosti)</u> (USSR) 1960 (v. 35) no. 11, p. 15-17. DESCRIPTIONS: *Sulphite, *Wood pulp, Magnesium, USSR, Manufacturing methods, Industrial production, Processing. (Materials - Wood, TT, v. 6, no. 10)	61-20011 I. Veinov, K. A. II. Bobrov, A. I. 107623 Office of Technical Services
---	---

Bleaching and Purifying of Technical Cellulose by
Oxygen and Alkali, by V. M. Nikitin, G. L. Akim,
6 pp.

RUSSIAN, per, Bumazh Prom, Vol XXV, No 12, 1960,
pp 5-7.

OTS 61-31266

CIA/7ID XX-1075

NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Chem

171,648

Oct 61

USIB INTERNAL USE ONLY

Khaletskii, A. M.
BETA-SITOSTEROL. [1962] 5p. 11 refs.
Order from OTS or SLA \$1.10 62-10655

Trans. of Barnazh(naya) Prom(yshlennost') (USSR)
1961, v. 36, no. 4, p. 10-11.

DESCRIPTORS: *Steroids, Cholesterol, *Sitosterols,
Synthesis, Sulfates, Cellulose.

(Biological Sciences--Pharmacology, TT, v. 8, no. 7)

62-10655

I. Khaletskii, A. M.

Office of Technical Services

WET END OPERATION IN THIN PAPER MANUFACTURE,
BY V. N. NEMANIKHIN, L. E. KOMAROVSKIY.

RUSSIAN, PER, BUMAZ PROM, VOL XXXVI, NO 5,
1961, PP 7, 8.

NLL M. 6059

SCI - CHEM

OCT 62

214,738

Kallistratov, G. A. and Shvortzova, Ya.
SEPARATION OF HARMFUL PITCH IN THE PROC-
ESS OF BEATING PULP. [1961] [5p].
Order from OTS or SLA \$1.10

62-14358

Trans. of Bumazh[naya] Prom[yshlennosti] (USSR)
1961, v. 36, no. 5, p. 9-10.

DESCRIPTORS: *Wood pulp. Processing. *Pitch.
Separation. *Paper. Manufacturing methods.

After the introduction at the Sokolski Mill of the con-
tinuous beating of pulp, which passes from water to
beater through channels made of stainless steel and
placed at an angle of 25°, it was observed that the
amount of pitch deposited on the Fourdrinier wire
decreased considerably. This phenomenon was
caused by a decrease of the temperature of the pulp
after beating from 55-60° to 30-45° and by the re-
deposition of pitch on the surface of the metallic
(Materials--Paper, IT, v. 8, no. 3) (over)

62-14358

I. Kallistratov, G. A.
II. Shvortzova, Ya.

(RUSSIAN to SPANISH LV)
OTS 62-29203

Office of Technical Services

Sagirov, M. M.
REGULACION AUTOMATICA DE LA TEMPERATURA
EN EL PROCESO DE DESPIERADO (Avtomaticheskoe
Regulirovaniye Temperatury Dalibirovaniya) (Auto-
matic Temperature Control in the Fiber Removing
Process). 7p. CID: 62-244.
Order from OTS, ETC or CID \$0.80 62-29244

Trans. in Spanish of Samizdatnyy Prosvetitel'skiy
(USSR) 1961, v. 34, no. 5, p. 25-26.

DESCRIPTORS: *Automation, *Fibers, Temperature
control.

(Materials, TT, v. 10, no. 6)

62-29244

I. Sagirov, M. M.
II. CID-62-244
III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Rosenberger, N. A. and Naumov, V. V.
BASIC TRENDS IN THE PRODUCTION DEVELOP-
MENT OF SEMI-FINISHED FIBROUS PRODUCTS.
[1962] 11p.
Order from OTS or SLA \$1.60

62-16074

Trans. of Bumazhaya Promyshlennosti (USSR) 1961
[v. 36] no. 9, p. 4-7.

DESCRIPTORS: Fibers. *Paper industry. *Wood pulp.
*Cellulose, Paper. Manufacturing methods. Industrial
production.

(Materials-Paper, II, v. 9, no. 4)

62-16074

I. Rosenberger, N. A.
II. Naumov, V. V.

Office of Technical Services

Bobrow, A. I. and Turbanova, A. D.
COOKING FIR WOOD PULP WITH MAGNESIUM
BISULPHIDE AT RAISED TEMPERATURES. [1962] Sp.
Order from OTS or SLA \$1.10 62-16075

Trans. of Buntachnaya Promyshlennost' (USSR) 1961
[v. 36] no. 10, p. 4-5.

DESCRIPTORS: *Wood pulp, *Magnesium compounds,
*Sulfides, Temperature, *Wood pulp fibers, *Cellulose,
Lignin, Processing, Mechanical properties, Black
liquor

The temperature of the bisulfite cooking, raised from
170 to 190 deg., does not influence the magnitude of the
fiber yield of the fir wood pulp which is equal to 50.9 -
51.9% at the time when the cellulose is finished and
contains 1.5 - 4.9% of lignin. It is accompanied by an
increased content of alpha-cellulose (from 84 to 88.9%)
and a reduced amount of pentosans (from 6.5 to 5%). It
(Materials--Wood, IT, v. 9, no. 3) (over)

62-16075

1. Title: Fir
2. Title: Kraft cooking
1. Bobrow, A. I.
11. Turbanova, A. D.

Office of Technical Services

62-18875

Karlitskii, Sh. M. and Komarovskii, L. E.
CONTINUOUS GRINDING OF WOOD PULP FOR CON-
DENSER PAPER. [1962] 7p. (figs. omitted) 6 refs.
Order from OTS or SLA \$1.10 62-18875

I. Karlitskii, Sh. M.
II. Komarovskii, L. E.

Trans. of Bumazh[ays] Promyshlennost' (USSR) 1961,
v. 36, no. 12, p. 12-14.

DESCRIPTORS: Manufacturing methods. *Paper. *Wood
pulp. Grinders, Capactors.

The results of these tests proved the possibility of ob-
taining a quality condenser paper, 10 microns thick,
from the wood pulp, ground only in cone grinders in
continuous operation. It has been found that the applica-
tion of cone grinders with basalt trimmings is econom-
ically more expedient than the use of rollers for the
same purpose. (Author)

(Materials: Paper, FT, v. 9, no. 6)

Office of Technical Services

(NY-3000)

DIGESTION OF PULP FOR THIN CAPACITOR PAPER,
BY B. G. MILOY, M. I. VITOTOVA, 7 PP.

RUSSIAN; PER, DUMAZHAYA PROM, NO 1, 1962,
PP 17-19.

JPRS 14396

USSR
ECON
SCI - CHEM

202,321

Flyats, D. M. and Levdik, I. Yu.
SOME IRREVERSIBLE PHENOMENA IN DRYING
PAPER AND CELLULOSE (PULP). (1962) 10p.
(Sign. omitted) 13 refs.
Order from OTS or SLA \$1.10

62-20470

Trans. of Buma-ha[oya] Prom[yahlemonet'] (USSR) 1962,
v. 37, no. 3, p. 14-16.

DESCRIPTORS: *Paper, *Cellulose, Dehydration,
Wood pulp fibers, Mechanical properties.

(Materials--Paper, TT, v. 9, no. 11)

62-20470

I. Flyats, D. M.
II. Levdik, I. Yu.

Office of Technical Services

P. T. Lyubarets

Electromagnetic treatment of Boiler Feed water. 5 pp

BUMAZHNAYA PROMYSHLENNOST', Vol 37, No 3, 1962,

pp 26-27

AIR/PTD-HT-23-1642-73

jan 73

(NY-1830)

IMPROVEMENTS IN PRODUCT QUALITY AT THE KRASNOKAMSK
METAL SCREEN PLANT, BY A. T. CHUMADUROV, 7 PP.

RUSSIAN, PER, BUMAZHNAYA PROMY, 1962, NO 5,
PP 19, 20.

JPRS 14882

USSR
ECON
SCI & M/M
AUG 62

208,410

(SF-2276)

PULP AND PAPER INDUSTRY IN CUBA, BY V. N.
SHUL'GIN, V. I. MUDRIK, 8 PP.

RUSSIAN, PER, BUMAZHNAYA PROMYSHLENNOST', NO 5,
1962, PP 28-31.

JPRS 14815

LA - CUBA
ECON
AUG 62

206,338

Let Us Concentrate Efforts on the Basic Trend in
Automation, by M. I. Lyubimovskiy.
RUSSIAN, per, Damashn Front, Vol 37, No 10, 1962,
pp 4-6.
AKB BJ-5237

Sai-Mech
July 69

385,776

AUTOMATION IN THE PULP AND PAPER INDUSTRY,
BY L. N. PREOBRAZHENSKIY, S. S. GRANAT,
8 PP.

RUSSIAN, PER, BUMAZHNAYA PROMYSHLENNOST',
NO 10, OCT 1962, PP 6-8.

JPRS 16950

USSR
ECON
JAN 63

218,807

Balmacov, E. Ya.
CENTRALIZATION OF CONTROL: THE MOST IM-
PORTANT REQUISITE IN EXTENSIVE AUTOMATION.
[1963] 6p
Order from ATS \$9.00

ATS-28Q72P

Trans. of Bumazha[ya] Prom[yslenosti] (USSR) 1964,
v. 37, no. 10, pp. 11-12.

DESCRIPTORS: Automation, Control systems.

(Research Methods, Techniques and Equipment, TT,
v. 11, no. 3)

TT-64-12062

I. Balmacov, E. Ya.
II. ATS-28Q72P
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Myf'ukov, V. P. THE USE OF ELECTRIC HEATING IN PULP AND PAPER PRODUCTION. Jul 63, 2p Order from OTS, SLA, or ETC \$1.10 TT-63-18374 Trans. of <u>Bumazh[naya] Prom[yshlennost']</u> (USSR) 1963 [v. 38] no. 4, p. 20. DESCRIPTORS: *Wood pulp, *Paper, Heating, Electricity, Economics, (Materials--Paper, TT, v. 11, no. 3)	TT-63-18374 I. Myf'ukov, V. P. Office of Technical Services
--	--

Plastics in Paper Making, by B. B.
Gutman, et al.
RUSSIAN, per, Bumazh Prom-et.
1963, Vol XXXVIII, No VIII, pp 10-11.
NLL 5828.4 1964 (10,558) (On Loan)

68/256/H. 1587

Aug 65

286,418

Hydro-Transport of Wood Chips in Pipeline,
V. V. Korobov, 5 pp.
RUSSIAN, per, Bumajazya Prom, No 1, 1964,
pp 13-15.
CIA/FDD X-5681

Sci - H/H

Aug 65

FOR OFFICIAL USE ONLY

287,534

Meter for Measuring the Moisture of
Paper Web, 9 pp.
RUSSIAN, per, Bumazhnaya Promy, No 1, 1964,
pp 22-24.
CIA/FDD XX-1714
NO FOREIGN DISSEM

Sci
Jun 65
USIB Internal Use Only

281,702

The Chemical Pulp and Paper Industry in 1964 and
1965, 5 pp.
RUSSIAN, per, *Bumashaya Press*, No 2, 1964,
pp 1-2.
NLL Translation Bulletin
Vol VI, No 6, 1964

USSR
Econ
Jul 64

262,970

Behaviour of Sulphur in the Boiling of Spruce
Wood With Sodium Sulphide, by V. Schegolev.
RUSSIAN, per, Bumazhnaya Promyshlennost,
No 7, 1964, pp 3-7.
CSIRO/No. 7430

Sci -
Aug 67

335,832

The Cause of Flocculation in Producing Paper
by a Dry Method, by A. E. Gushchin. 11 p.
RUSSIAN, par, Bumashaya Promyshlennost, Vol 39,
No 5, 1964, pp 8-9.
NII RTS-2888

Sci-MEM
Jul 66

306,116

Avenues of Development in the Pulp and Paper
Industry, 8 pp.
RUSSIAN, per, Ekspozitsiya Prirodnykh Resursov, No
6, Jun 64, pp. 1-3.
JPRS 30872

USSR
Econ
Jun 65

281,201

More Rapid Utilization of New Pulp-Paper Pro-
duction Capacities Needed, 6 pp.
RUSSIAN, per, Russkaya Pravda, No 7,
Jul 64, pp. 1-2.
JPRS 30326

USSR
ECON
Jun 65

281,265

Behaviour of Sulphur in the Cooking of Spruce
Wood with Sodium Sulphide, by V. Shchegolev,
V. Nikitin.

RUSSIAN, per, Bumazhnaya Promyshlennost'
No. 7, 1961, pp 3-7
CSIRO/No. 7430

Sci -
Aug 67

335-589